

**REPORT OF ACTIVITIES  
OF THE  
DEPARTMENT OF WATER RESOURCES**

**by**

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## WATER CONDITIONS

As of March 1, 2009, statewide hydrologic conditions were as follows: precipitation, 80 percent of average to date; runoff, 45 percent of average to date; and reservoir storage, 70 percent of average for the date. The snowpack was at about 75 percent of its average value for the date. Sacramento River unimpaired runoff observed through February 28, 2009 was about 4.1 million acre-feet (MAF), which is about 48 percent of average. (On February 28, 2008, the observed Sacramento River unimpaired runoff through that date was about 4.5 MAF or about 53 percent of average.)

For California statewide, precipitation for February was well above average. The Northern Sierra 8-Station Precipitation Index gained 11.9 inches, about 149 percent of average. This trend continued into early March. By March 10, the 8-Stations had gained an additional 6.4 inches, about 93 percent of the entire monthly average. As of March 11, the 8-Station water year total to date was 36.0 inches, about 97 percent of the seasonal average and 72 percent of an average water year (50 inches).

Selected Cities Precipitation Accumulation as of 3/08/2009 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2008 - 2009 (in inches)	% Avg	Jul 1 to Date 2007 - 2008 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2008 - 2009
Eureka	22.09	76	28.86	99	58
Redding	18.34	72	22.92	91	55
Sacramento	13.25	92	13.62	95	74
San Francisco	14.08	86	15.29	94	70
Fresno	6.33	76	8.08	97	56
Bakersfield	3.98	84	2.30	49	61
Los Angeles	7.97	75	10.12	95	61
San Diego	8.80	107	6.74	82	82

Key Reservoir Storage (1,000 AF) as of 3/08/2009								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,107	1,879	59	2,448	45	---	1,341
Shasta Lake	Sacramento	2,414	3,465	70	4,552	53	-1,269	2,138
Lake Oroville	Feather	1,659	2,581	64	3,538	47	-1,284	1,879
New Bullards Bar Res	Yuba	669	640	105	966	69	-127	297
Folsom Lake	American	599	570	105	977	61	-30	378
New Melones Res	Stanislaus	1,262	1,454	87	2,420	52	-708	1,158
Don Pedro Res	Tuolumne	1,276	1,447	88	2,030	63	-414	754
Lake McClure	Merced	359	547	66	1,025	35	-315	666
Millerton Lake	San Joaquin	326	349	93	520	63	-66	194
Pine Flat Res	Kings	308	540	57	1,000	31	-464	692
Isabella	Kern	136	183	74	568	24	-152	432
San Luis Res	(Offstream)	883	1,794	49	2,039	43	---	1,156

The latest National Weather Service Climate Prediction Center (CPC) long-range weather outlook for March 2009, issued February 28, 2009, forecasts above average precipitation for most of Northern and Central California. Average precipitation is expected elsewhere in the State.

## **FLOOD OPERATIONS BRANCH**

### **Flood System Update - Vulnerability Assessment**

The Flood System Analysis group continues to work with the Flood Project Integrity and Inspection Branch in developing a levee assessment tool. This tool will utilize levee-related data being collected by the Department to evaluate the project levees within the Central Valley flood-control system. This assessment is in support of the Flood Operations Center's activities and will be performed by integrating information related to system performance, engineering evaluations, and operations and maintenance practices.

In order to collect data, staff looked at the Department's 1997/98 Flood Damage Assessment reports (documented distress data) for quality assurance and quality control measures. Staff will begin looking at the other data collection within the Hydrology and Flood Operations Office (levee inspections, erosion surveys, Assembly Bill 156 reports, etc). The data collection will provide staff a template for the assessment tool database.

A draft "workplan" establishing the framework, deliverables, and schedule is being completed this month for internal review. This workplan will provide the overall picture for the project and include the goals, purpose, objectives, details on the assessment tool, sources of information, schedule, and reporting results.

## **LEEVE REPAIRS BRANCH**

### **Sacramento River Bank Protection Project (SRBPP)**

DWR is taking the lead on designing six sites; Sacramento River Mile (RM) 35.4, Feather River RM 7.0, American River RM 10.0, and RM10.6, and Cache Creek LM2.8 and LM3.4. The Corps is Lead Agency for 13 sites (designs and permits) and Corps has completed 90% designs for these sites.

Land and Right of Way access and protection issues related to intakes, decks, cables and other infrastructure at repair sites totaling about 9,000 lineal feet have been resolved. The remaining sites make up 6,650 lineal feet left in this program and will be completed in Calendar Year 2010. A total of 34 sites are under design for the Year 2009 and 2010 construction.

The Corps, in coordination with the Central Valley Flood Protection Board and DWR, held four Public Scoping Meetings at Colusa, Chico, Walnut Grove and Sacramento for Environmental Assessment of the additional authorized 80,000 lineal for the Sacramento River Bank Protection Project (as authorized by WRDA 2007).

## **San Joaquin River Levee Repairs**

**Critical Erosion Repairs:** Further design work for 60% engineering design for five critical erosion sites on the San Joaquin River is in progress. Permit applications for Streambed Alteration Agreements have been submitted to the California Department of Fish and Game. Environmental assessment work for these sites and consultations for U. S. Fish and Wildlife Service and National Marine Fisheries Service Biological Opinions are ongoing.

**Seepage and Stability Repairs:** Two underseepage sites; one in West Sacramento on the Sacramento River and the other one in RD 404 on the San Joaquin River have been identified through ongoing Levee Evaluations. As these sites are within the Delta, DWR has initiated cost sharing negotiations with the Corps under the WRDA 2007 authorized Calfed Bay-Delta Levee Stability Program.

## **2006 Public Law (PL) 84-99 Rehabilitation Assistance Program**

Work on Project Information Reports (PIR) for RD 3 and RD 755 are in progress. The Division of Flood Management Fall Inspection Report had given a minimally acceptable rating to RD 150 for its maintenance work in 2008. If RD 150 meets all maintenance requirements during the spring 2009 inspection, and if the Corps Inspections staff recommends that RD 150 is in compliance with the Corps maintenance policy, 17 sites will be included in the 2009 repair program.

## **FLOODPLAIN MANAGEMENT BRANCH**

### **Levee Flood Protection Zone Maps**

Staff continue to work with community officials to refine the LFPZ maps completed in December 2009. FPM staff plan to have a complete set of LFPZ maps available for the public in April 2009.

### **Central Valley Floodplain Evaluation and Delineations**

Refinement of digital topographic dataset continues and is scheduled to be completed by the end of June 2009. The inability to write new task orders to our consultants is slowing down the process to complete topography and other key datasets. FEMA has sent the FPM Branch a letter that they plan to award DWR a \$5.3 million Cooperative Technical Partners floodplain mapping grant to support FEMA floodplain mapping activities in the Central Valley. A detailed scope of work is being negotiated with FEMA.

## **Alluvial Fan Task Force**

The ninth meeting of the AFTF is scheduled for March 27 in Los Angeles. An "almost" final draft of the Planning Manual and Model Ordinance will be presented to the task force. A recommendation report is being prepared. If there is a tenth meeting of the AFTF, it will be the final meeting.

## **Central Valley Building Codes Project**

Staff is meeting with stakeholder agencies for briefings on the status of the new building code development. A briefing for CVFPB staff is scheduled for April. Proposed building codes will be submitted to the Building Standards Commission in June 2009.

## **FLOOD PROJECT DEVELOPMENT BRANCH**

### **PROJECTS AND STUDIES TO IMPROVE FLOOD PROTECTION FOR SACRAMENTO**

#### **Joint Federal Project at Folsom**

Progress on the Folsom Dam Modifications Project (also known as the Folsom Dam Joint Federal Project) continues. In particular:

- The Bureau of Reclamation reports that procurement of a Phase 2 excavation contract for the spillway is not complete. Although a contract was initially awarded, a bid protest was filed and upheld by the Small Business Administration. Reclamation reports that they are developing alternate strategies to assure the construction schedule will not slip: "The plan is to still finish on time."
- The U. S. Army Corps of Engineers (Corps) is concentrating their efforts on completing the design of the control structure. Construction of the control structure is scheduled to begin in 2010. A 65 percent design submittal is due this month.
- The Corps continues to evaluate methodologies by which the control structure approach channel can be constructed to minimize construction risk and cost. Under consideration are various types of cofferdams for constructing the channel in the dry, and various methods of constructing the channel in the wet as well as alternatives that combine the techniques.

- Efforts are underway to develop an early approach channel excavation design package and construction contract that could take advantage of low lake levels to reduce the overall cost of the project. Environmental documents for the approach channel are therefore being expedited and should be available for this Board's consideration in early summer of 2009. State budget restrictions may prevent the project from realizing the potential savings from these actions by delaying the award of an early excavation contract.
- Negotiations are underway to modify the Board's existing Project Cooperation Agreement with the Corps and SAFCA. State budget restrictions are likely to delay the execution of an amendment to the original agreement and may soon impact the project schedule and cost.

While there is an enormous amount of work left to accomplish, the project partners continue to work together to eliminate obstacles as fast as they arise. The project is on schedule for completion around the year 2015.

### **Folsom Dam Raise**

Work on the Folsom Dam Raise Element of the project is temporarily on hold until significant progress is made on construction of the auxiliary spillway. Design efforts are estimated to resume in 2011.

### **American River Common Features Project**

The American River Common Features Project continues to improve the levee system along the American and Sacramento Rivers in Sacramento. Current activities by key project elements are:

- Design for closing gaps in the slurry wall left at the locations of deep utility crossings or other major infrastructure in the 24 miles of slurry wall along the American River levees continues. The design for the R4 site is complete and construction is planned for June 2009. The design for sites R-1, R-5, R-6, and L-12 are underway, and construction of these sites is planned for 2009. These sites are on an accelerated schedule in anticipation of federal stimulus money coming soon. These repairs are commonly referred to as the WRDA 1996 Remaining Sites work.
- The installation of 4,300 feet of cut-off wall and levee raise in the Mayhew Drain area has been completed and reopened to public access. Due to issues encountered during cut-off wall installation, it was necessary to postpone construction of the closure structure to 2009 construction season. This work was authorized by WRDA 1999.

- Design for raising and widening the levee at Howe Avenue is underway. Design for adding a slurry wall in the Natomas East Main Drain Canal levee is underway. The design for Jacob Lane is complete and has been approved by the Central Valley Flood Protection Board (CVFPB). Construction of Reach A is complete where 5000 ft of levee was raised and widened. The construction of Reach B is planned for June 2009. This work was authorized by WRDA 1999 and commonly referred to as the North Area Contracts work.
- The F3 conference (Feasibility Scoping meeting) for the General Re-evaluation Report was held on March 11, 2009. A follow-up issue resolution conference is scheduled for April 2009. The F4 conference (alternative review conference) evaluates final plans. These plans will be used to select the NED.

### **South Sacramento County Streams Project**

The South Sacramento County Streams Project protects the City of Sacramento from high water events in the Delta and from flooding associated with Morrison Creek, Florin Creek, Elder Creek and Unionhouse Creek.

The U.S. Army Corps of Engineers (Corps), in partnership with the Central Valley CVFPB and the Sacramento Area Flood Control Agency (SAFCA) has completed construct of flood protection improvements along Elder, Florin and Union house Creeks between Franklin Boulevard and Morrison Creek.

The Phase 2A design contract for flood control features along Union house Creek between Franklin Blvd and Center Parkway and along UPRR between Union house Creek and Morrison Creek has been awarded. Design is expected to be completed in late 2009.

The Corps hopes to award the Phase 2B design contract for channel improvements along Elder Creek from Franklin Blvd. to Highway 99 and Florin and Morrison Creeks from Franklin Blvd. to Stockton Blvd. later this year.

## **PROJECTS AND STUDIES TO IMPROVE FLOOD PROTECTION FOR OTHER URBAN AREAS**

### **West Sacramento Project**

- Geotechnical analysis for the repair of the two levee slips is near completion. The analysis is complete and the design and construction for the south site has been initiated tentatively scheduled for contracting in June 2009. Due to modeling issues with the north site; construction has been postponed to FY 2010 construction season.
- A PCA amendment to accelerate funding has been approved by the Board, has been negotiated with the Corps and the Local Sponsors and is currently being processed for execution through the Corps.
- A General Re-evaluation Report (Study) for future work to provide 200-year level of protection for the West Sacramento area is under way. The Final Draft of a Project Management Plan (PMP) is complete and has been forwarded for internal review by the Corps. The PMP is a support document for a Feasibility Cost Share Agreement (FCSA), which is currently in the final stage of negotiation. However, due to recent developments with the Pooled Money Investment Board (PMIB) and the decision to freeze all bond funding indefinitely, the standard 3-party FCSA agreement among the Federal Government, the State and the Local Agency has been suspended until such time as the freeze has been lifted. As a result, the Local Sponsor has elected to perform the role of the non-Federal Sponsor. Subsequent to the freeze being lifted, Staff will negotiate with the Corps and WSAFCA to determine a method to get the State back into the partnership.

### **Yuba River Basin Project**

- General re-evaluation of the Yuba River Basin Project continues. The F4 conference was held May 29<sup>th</sup>, where it was concluded that there is a Federal interest in a multi-purpose project that strengthens levees in-place, provides setback levees, and restores river floodplains for both ecosystem restoration and flood risk management.
- The Marysville Ring Levee Improvement is a separable element of the Yuba River Basin Project. Authorization to initiate design and construction simultaneously with the GRR is underway. Once completed, Marysville will be afforded a high level of protection significantly sooner than originally scheduled. The Corps proposes to award a contract for design in early 2009 and expects execution of a Project Cooperation Agreement with The Central Valley Flood Protection Board to commence construction of the Ring Levee repairs in Fall 2009.



## **Sutter County Feasibility Study**

The Corps and the Non Federal partners are working to refine the scope of the Feasibility Study. The team is reviewing proposed measures focusing on engineering effectiveness, acceptability from non-Federal sponsor perspective, and engineering performance. The Corps, State, and Sutter-Butte Flood Control Agency are working closely to develop an amendment to the Feasibility Cost Sharing Agreement.

## **Lower Cache Creek, Woodland Area Feasibility Study**

The Corps is exploring the reformulation of alternatives and scoping for a new Feasibility Study for this project. The Corps estimates that the new Feasibility Study will be complete in 2011 with design of a selected alternative to commence in 2012. State, Corps, and local staff are working out the details of a Project Management Plan to guide future efforts on this project.

## **Lower San Joaquin River Feasibility Study**

Representatives from San Joaquin County, San Joaquin Area Flood Control Agency (SJAFCOA), CVFPB, Corps, and other local interests have worked together to prepare a Project Management Plan (PMP), a draft Feasibility Cost Sharing Agreement (FCSA) and a draft Local Feasibility Cost Sharing Agreement (LFCSA). The PMP and the FCSA have just been completed by the Corps and are on hold in the State contracting system. The cost estimate for the study is \$10.2 million.

As a result of State budget restrictions, the State has been unable to process and execute the FCSA agreement. The Corps and SJAFCOA have decided instead to execute a two party agreement to avoid project delay. That agreement is signed and work on the study was initiated this month. The State is providing staff to the effort and is expected to resume its full role in the partnership when budget restrictions are lifted and the 3-party agreement can be executed.

## **West Stanislaus Orestimba Feasibility Study**

The project area is located in western Stanislaus County, California, including the city of Newman. Investigations are to analyze potential solutions for flood damage reduction, ecosystem restoration, and related purposes for Orestimba Creek.

The Corps has narrowed its list of alternatives to three. The three alternatives have been presented to the locals. The Corps is completing its final model runs to provide a final analysis of the three alternatives. This should determine the NED plan which should be final in October.

## **Mid-Valley Area Levee Reconstruction Project**

The Mid-Valley Reconstruction Project sites extend from the Tisdale Bypass to the Sacramento Bypass and include levees of the Sacramento River, Feather River, Yolo and Sutter Bypasses, and Knights Landing Ridge Cut. Project partners include the Corps, the CVFPB, and seven local agencies and Counties.

Currently, a Limited Reevaluation Report (LRR) and associated environmental documents are being revised by the Corps for approval in 2009. If the LRR is approved, construction contracts for an additional 12 miles of levee upgrades could go out in Fall 2009 with construction following in 2010.

## **Kaweah River Project, Terminus Dam**

Though the dam construction is complete the Corps is continuing to monitor seepage around the project area. This monitoring program could take several years and the project will not be turned over until monitoring is concluded.

Efforts continue with regards to bringing the Board into fiscal balance with the local sponsors, KDWCD.

## **Other significant developments**

Butte County is unable to cost share the Rock Creek/Keefer Slough Feasibility Study in this fiscal year due to the County's financial difficulties.

## **FLOOD PROJECTS OFFICE, STATEWIDE GRANTS BRANCH**

### **Subventions Program**

Proposed Regulations for Assembly Bill 1147 (AB1147) will be submitted, along with supporting documentation, to the Office of Administrative Law for review and approval.

### **Local Levee Urgent Repair Program Local Levee Evaluation Program**

Discussions are ongoing to award a \$5-million grant to Orange County for urgent repairs needed on San Juan Creek near San Juan Capistrano. Four other LLUR applications were denied based on incompleteness.

DWR has completed the technical review of sixteen LOLE applications and is preparing recommendations for final determination of awards.

## **Floodway Corridor Program**

The Floodway Corridor Program is in the process of revising guidelines in preparation for an additional grant funding cycle.

The section is exploring the possibility of advance mitigation for flood control projects on properties funded by the program at several sites, including in the Elkhorn Basin and near Woodson Bridge.

## **LEEVE EVALUATIONS BRANCH**

### **Urban Levee Evaluations Project**

The Urban Levee Evaluations Branch was originally charged with performing geotechnical evaluations on approximately 350 miles of project urban levees. Recently, approximately 120 miles of non-project urban levees were added to the scope of work. An urban levee is defined as protecting at least 10,000 people. Levee evaluations focus on urban levees in the geographic areas of Reclamation District (RD) 17, RD 404, Natomas, West Sacramento, Marysville, Woodland, Davis, Stockton, MA9, American River, Sacramento, the Sutter Basin, and RD 784.

The purpose of these evaluations is to support the Central Valley Flood Management Planning (CVFMP) and other flood management related programs by determining if these levees meet defined geotechnical criteria and, if appropriate, identify remedial measure(s) to meet those criteria. This evaluation will be conducted with the goal of providing 200-year protection for urban areas using the DWR and the Corps levee design criteria.

### **General**

1. The State's budget crisis continues to result in halting authorization of all new task orders. Only existing task orders may be worked on. This is resulting in project delays and may affect the Levee Evaluations Branch's ability to review local agency and Corps projects as well as to support preparation of the State Plan of Flood Control. If the State's budget crisis continues through the end of May 2009, levee evaluation work will come to a halt.
2. The Levee Evaluations Branch continues to work closely with RD 17, Natomas (SAFCA and RD 1000), Three Rivers, West Sacramento, and others within the Department and the Corps to review issues concerning early implementation projects.

3. At the request of the CVFP Board's Chief Engineer, the Levee Evaluations Branch continues to support the Central Valley Flood Protection Board in assessing a crack in segment 1 of the Feather River levee across from Star Bend. This crack was first observed after slurry wall construction was completed. At this time, winterization measures and additional explorations and characterization of this area was recommended.
4. Weekly coordination meetings with the Corps continue so that subsurface explorations plans are approved in advance of work and efforts are not duplicated.
5. The effects of budget crisis has resulted in the preparation of numerous financial reports pertaining to Bond funded contracts.

The work performed in February 2009 is broken into three geographic urban levee areas of North, Central, and South is as follows:

#### **North Urban**

1. Sutter Basin: The Corps finished reviewing the Draft Phase 1 Geotechnical Evaluation Report (P1GER) and URS will incorporate all review comments from the various reviewing agencies. The report will be finalized in March 2009. URS is continuing the preparation of the Supplemental Geotechnical Data Report (SGDR).
2. Marysville: A check print of the Draft SGDR will be submitted to DWR for review in March 2009.
3. RD784: The draft Supplemental Subsurface Investigation Work Plan (SWP) has been reviewed DWR and Corps. Comments have been provided to URS. URS will modify the SWP. DWR at the request of the Central Valley Flood Protection Board is continuing to monitor GEI/TRLIA mitigation measures associated with the slope failure in Segment 1 along the Feather River.

#### **Central Urban**

1. West Sacramento: The draft SGDR for West Sacramento has been delivered to DWR and is currently under review.
2. Sacramento River (between the American River and Freeport): The draft P1GER for Sacramento River was delivered to DWR during the month of October 2008. The draft P1GER report is currently undergoing an internal DWR QA/QC process and Corps review. Due to the budget situation and the inability amend existing task orders, all work on the Sacramento River P1GER will be on hold indefinitely starting at the end of February, 2009. The

draft final P1GDR report for Sacramento River levees is expected to be delivered to DWR in March 2009.

3. NEMDC: The final P1GDR report for NEMDC-East levees was delivered to DWR in November 2008. A draft P1GER for NEMDC-East levees is currently underway and will incorporate field investigations from SAFCA's exploration plan prior to its expected release to DWR in March 2009. The final P1GDR report for NEMDC-West levees was delivered to DWR in November 2008. A draft P1GER for NEMDC-West levees is expected to be delivered to DWR in March 2009. Most of the NEMDC work is on hold due to the budget crisis.
4. Natomas North, West, and South (NWS): The draft (Technical Review Memorandum) TRM for Natomas NWS, which encompasses previous studies completed on behalf of SAFCA, USACE, and DWR, was delivered to DWR in September 2008. This report is currently undergoing an internal DWR QA/QC process and Corps review.
5. Natomas NLIP: Levee Evaluations reviewed the draft NLIP documents provided by SAFCA. Draft comments on critical issues was presented in February 2009 and draft overall comments were presented at the end of February 2009. A special session of the ICB was held the first week of March 2009 concerning the Natomas NLIP. The Natomas NLIP design team either resolved issues presented or was working on acquiring more data/analysis to resolve outstanding issues. These outstanding issues would be handled through a change order or contract amendment.
6. American River: The draft SGDR for the American River levees has been delivered to DWR and is currently under review. The final TRM for the American River levees is expected to be delivered to DWR in the near future.
7. Davis: The analysis approach is currently being revised to eliminate the need for the P1GER and better inform the GER. Until this approach is finalized, additional work is currently on hold.
8. Woodland: Response to comments for the P1GDR has been received and incorporated in the report which be finalized in March 2009. The analysis approach is currently being revised to eliminate the need for the P1GER and better inform the GER. Until this approach is finalized, additional work is currently on hold.

## **South Urban**

1. Due to the bond funding situation and the inability to issue new tasks orders or amend existing ones, all work on the RD 404 P1GER and the RD 17 SGDR is on hold indefinitely.
2. SJAFCA: The Draft P1GER for the Calaveras River Drainage was delivered to DWR in August 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments and will be issued to DWR in draft form for internal review in May 2009.
3. SJAFCA: The Draft P1GER for the Bear Creek Drainage was delivered to DWR in September 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments and will be issued to DWR in draft form for internal review in May 2009.
4. RD 404: The Draft P1GER for RD 404 was delivered to DWR in September 2008. This report went through an internal DWR QA/QC process and USACE review. The report is currently being revised based on review comments.
5. RD 17: The draft Supplemental Geotechnical Data Report (SGDR) for RD-17 was delivered to DWR in late November 2008. This report is undergoing an internal DWR QA/QC process and USACE review.
6. Greater Stockton Area Urban Non-Project Levees: Drilling permits were obtained for RD 1614, RD 1608, RD 828, and RD 404. Encroachment permits were obtained at Dad's Point, River Drive, and Shimizu Drive. Field exploration began at RD 828, RD 1608, RD 1614, and RD 404 in February 2008. Lab testing was initiated for RD 403 samples. Piezometer data was gathered from previous RD 403 installations.

## **Non-urban Levee Evaluations**

The Non-urban Levee Evaluations Branch was created to perform geotechnical levee evaluations on about 1,250 miles of non-urban State/Federal project levees. A non-urban levee is defined as protecting 10,000 or less people. The project focuses on the non-urban State/Federal project levees in the Sacramento River and the San Joaquin River flood control systems. This project is in the process of expanding to include the 388 miles of appurtenant non-project levees.

The purpose of these evaluations is to support the Central Valley Flood Management Planning (CVFMP) and other flood management related programs by determining if these levees meet defined geotechnical criteria and, if

appropriate, identify remedial measure(s) to meet those criteria. This evaluation will be conducted with the goal of providing the design profile level of protection in non-urban areas using the DWR and the Corps levee design criteria.

**Activities in February 2009:**

1. The State's budget crisis has resulted in halting authorization of all new task orders; can only work on existing task orders. This will result in project delays and may affect levee evaluations ability to support the State Plan of Flood Control.
2. USACE and DWR legal have vetted the language in the Letter of Agreement (LOA) between DWR and the Corps. Waiting on the Department's policy change in regards to writing new contracts and task orders.
3. Project management plan completion is pending policy change on new task order issuance.
4. Continue refining the Process Activity Tool (workflow documentation).
5. Level 2-1 geomorphic studies for the Sacramento and San Joaquin River flood control systems is completed. URS & Kleinfelder will provide the Level 2-1 geomorphic study report table of content to vet with DOE, who is in charge of QA/QC.
6. Kleinfelder and URS team are about 90% done with data collection and field reconnaissance work for the Sacramento and San Joaquin River flood control system.
7. Continue with preparation of financial reports pertaining to Bond funded contracts to respond to inquiries stemmed from the budget crisis.